

Radial Leaded Fuse, PTC, 72 VDC



72.0VDC · 1.1 - 3.75A



Description

- Replacement for PFRX type
- Max. rated voltage 72 VDC

Standards

- UL 1434
- CSA C22.2 no. 0, TIL no. CA-3A

Approvals

- Approval Reference Type: PFRY
- UL File Number: E172175

Applications

- Security and fire alarm systems
- Loud speakers
- Power transformers

References

[Packaging Details](#)

Weblinks

[pdf datasheet](#), [html-datasheet](#), [General Product Information](#), [Packaging details](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

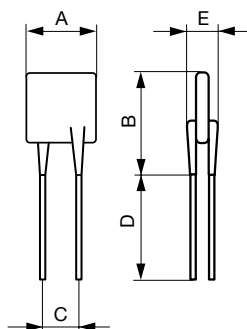
Technical Data

V max	72.0VDC
I max	40A
I hold	1.1 - 3.75A
Attachment	PCB,THT
Allowable Operation Temperature	-40 °C to 85 °C
Material: Terminals	Tin-Plated Copper
Weight	3 g
Storage Conditions	0 °C to 40 °C, max. 70% r.h.
Product Marking	 Type, Rated current

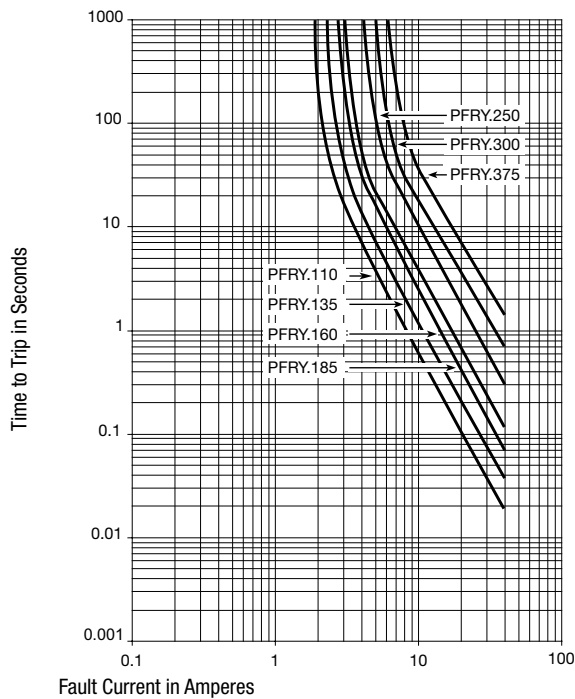
Soldering Methods	Wave Soldering Profile
Solderability	235 °C / 2 sec
Resistance to Soldering Heat	260 °C / 10 sec
Passing Aging	+85 °C, 1000 Hours -> +/- 5% Typical Resistance Change
Humidity Aging	+85 °C, 85% r.h., 1000 Hours -> +/- 5% Typical Resistance Change
Thermal Shock	+85 °C to -55 °C, 10 Times -> +/- 10% Typical Resistance Change
Vibration	MIL-STD-883C, Method 2007.1, Test Condition A
Resistance to Solvents	MIL-STD-202, Methode 215

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in [General Product Information](#)

Dimension [mm]



Time-Current-Curves



Letter heights and Fonts

A max [mm]	Insert depth	C min [mm]	C max [mm]	D min [mm]	E max [mm]	Ø Lead [mm]	Order Number
10.84	16.8	4.4	5.8	7.6	3	0.81	PFRY.110
12.26	18.3	4.4	5.8	7.6	3	0.81	PFRY.135
13.94	19.9	4.4	5.8	7.6	3	0.81	PFRY.160
15.18	21.2	4.4	5.8	7.6	3	0.81	PFRY.185
17.84	23.8	9.5	10.9	7.6	3	0.81	PFRY.250
20.67	23.8	9.5	10.9	7.6	3	0.81	PFRY.300
23.51	29.6	9.5	10.9	7.6	3	0.81	PFRY.375

Most Popular:

Availability for all products can be searched real-time: <http://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER>

Thermal Derating Chart Ihold [A]

-40 °C	-20 °C	0 °C	23 °C	40 °C	50 °C	60 °C	70 °C	85 °C	Order Number
1.71	1.5	1.31	1.1	0.89	0.79	0.69	0.59	0.44	PFRY.110
2.09	1.84	1.61	1.35	1.09	0.97	0.85	0.73	0.54	PFRY.135
2.48	2.18	1.9	1.6	1.3	1.15	1.01	0.86	0.64	PFRY.160
2.87	2.52	2.2	1.85	1.5	1.33	1.17	1	0.74	PFRY.185
3.88	3.4	2.98	2.5	2.03	1.8	1.58	1.35	1	PFRY.250
4.65	4.08	3.57	3	2.43	2.16	1.89	1.62	1.2	PFRY.300
5.81	5.1	4.46	3.75	3.04	2.7	2.36	2.03	1.5	PFRY.375

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Electrical Characteristics at 23 °C

V max [VDC]	I max [A]	I hold [A]	I trip [A]	R initial min [Ω]	R initial max [Ω]	R 1hour max [Ω]	Max Time to trip [A]	Max Time to Trip [s]	Tripped Power Dissipation [W]	Order Number
72.0	40	1.1	2.2	0.15	0.25	0.38	5.5	8.2	-	PFRY.110
72.0	40	1.35	2.7	0.12	0.19	0.3	6.75	9.6	1.70	PFRY.135
72.0	40	1.6	3.2	0.09	0.14	0.22	8	11.4	1.90	PFRY.160
72.0	40	1.85	3.7	0.08	0.12	0.19	9.25	12.6	2.10	PFRY.185
72.0	40	2.5	5	0.05	0.08	0.13	12.5	15.6	2.50	PFRY.250
72.0	40	3	6	0.04	0.06	0.1	15	19.8	2.80	PFRY.300
72.0	40	3.75	7.5	0.03	0.05	0.08	18.75	24	3.20	PFRY.375

Most Popular.

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Packaging Unit	PFRY.xxxBulk (500 pcs.)
	PFRY.xxx.2 Blister Tape (1000 pcs.)